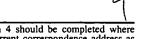
PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail

Mail St p ISSUE FEE Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

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INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 4 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

CURRENT CORRESPONDENCE ADDRESS (Note: Legibly mark-up with any corrections or use Block 1)

12/04/2003

Mary-Elizabeth Buckles, Esq. REED SMITH LLP East Tower - Suite 1100 1301 K Street, N.W. Washington, DC 20005-3317



Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.

Certificate of Mailing or Transmission
I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO, on the date indicated below.

(Depositor's name) (Signature) (Date

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/986,666	11/09/2001	Chien Ho	002547/20118/DIV3	5772

TITLE OF INVENTION: LOW OXYGEN AFFINITY MUTANT HEMOGLOBINS

APPLN. TYPE	SMALL ENTITY	ISSUE FE	E	PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	YES	\$665		\$300	\$965	03/04/2004
EXAMINER		ART UNIT		CLASS-SUBCLASS]	•
CARLSON, KAREN C		1653		514-006000		
1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363). Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached. Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached. Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached. Change of correspondence address (or Change of Correspondence Address) attached. Change of correspondence address (or Change of Correspondence Address) attached. Change of correspondence address (or Change of Correspondence Address) attached. Change of correspondence address (or Change of Correspondence Address) attached. Change of Correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.			2. For printing on the patent front page, list (1) the names of up to 3 registered patent attorneys or agents OR, alternatively, (2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed. ReedSmith LLP 2 3			

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. Inclusion of assignee data is only appropriate when an assignment has been previously submitted to the USPTO or is being submitted under separate cover. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE (B) RESIDENCE: (CITY and STATE OR COUNTRY)

Carnegie Mellon Univers	sity Pittsburgh Pennsylvania be printed on the patent); Unitdividual Acorporation or other private group entity Ogovernment
4a. The following fee(s) are enclosed:	4b. Payment of Fee(s):
Issue Fee	A check in the amount of the fee(s) is enclosed.
Publication Fee	☐ Payment by credit card. Form PTO-2038 is attached.
Advance Order - # of Copies8	The Director is hereby authorized by charge the required fee(s), or credit any overpayment, to Deposit Account Number1 8 (enclose an extra copy of this form).

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02/12/2004 CCHAU2 00000110 09986666

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